CONTENTS OF VOLUME 33

Allen, E. K., Gregory, K. F., and **Allen, O. N.** Morphological development of nodules on *Caragana arborescens* Lam., 139.

Allen, O. N. See Allen, E. K., 139.

Atkinson, R. G. and **Robinson, J. B.** The application of a nutritional grouping method to soil fungi, 281.

Bannan, M. W. The vascular cambium and radial growth in *Thuja occidentalis* L., 113.

Barr, M. E. Species of sooty molds from Western North America, 497.

Bell, H. P. and **Burchill, J.** Flower development in the lowbush blueberry, 251.
Winter resting stages of certain Ericaceae, 547.

Bidwell, R. G. S., Krotkov, G., and **Reed, G. B.** The influence of light and darkness on the metabolism of radioactive glucose and glutamine in wheat leaves, 189.

Bowerman, C. A. See Groves, J. W., 577, 591.

Brodie, H. J. Springboard plant dispersal mechanisms operated by rain, 156.

Burchill, J. See Bell, H. P., 251, 547.

Chinn, S. H. F. See Ledingham, R. J., 298.

Chouinard, A. L. Nuclear differences in *Allium cepa* root tissues as revealed through induction of mitosis with indoleacetic acid, 628.

Cormack, R. G. H. The effect of extreme shade upon leaf form and structure in *Vicia americana*, 293.

Cram, W. H. Self-compatibility of *Caragana arborescens* Lam., 149.

Dale, H. M. See Good, H. M., 31.

Etheridge, D. E. Comparative studies of North American and European cultures of the root rot fungus, *Fomes annosus* (Fr.) Cooke, 416.

Forsyth, F. R. The nature of the inhibiting substance emitted by germinating urediospores of *Puccinia graminis* var. *tritici*, 363.

Good, H. M., Murray, P. M., and **Dale, H. M.** Studies on heartwood formation and staining in sugar maple, *Acer saccharum* Marsh., 31.

Graham, K. M. Seedling blight, a fusarial disease of asparagus, 374.

Green, G. J. and **Johnson, T.** Specificity in the effect of high temperature on the adult plant reaction of wheat varieties to races of stem rust, 197.

Greenidge, K. N. H. Observations on the movement of moisture in large woody stems, 202.

Gregory, K. F. See Allen, E. K., 139.

Groves, J. W. and **Bowerman, C. A.** The species of *Ciborinia* on *Populus*, 577.
Sclerotinia borealis in Canada, 591.

Hamel, A. Esquisse écologique des comtés de L'Islet et de Kamouraska, 223.

Hart, M. P. and **MacLeod, D. M.** An apparatus for determining the effects of temperature and humidity on germination of fungous spores, 289.

Heusser, C. J. Pollen profiles from the Queen Charlotte Islands, British Columbia, 429.

Hughes, S. J. Microfungi. I. *Cordana, Brachysporium, Phragmocephala*, 259.
Microfungi. II. *Thyrostromella* Höhn. and *Thyrostromella* Syd., 341.

Johnson, T. See Green, G. J., 197.

Jones, W. Downy mildew of *Dactylis glomerata* caused by *Sclerophthora cryophila*, 350.
Foot rot of wallflower caused by *Phytophthora megasperma*, 531.

Knowles, R. P. A study of variability in crested wheatgrass, 534.

Koch, L. W. The peach replant problem in Ontario. I. Symptomatology and distribution, 450.

Krotkov, G. See Bidwell, R. G. S., 189; Vittorio, P. V., 275.

Lawrence, T. The production of mutations by the irradiation of Montcalm barley, 515.

Ledingham, R. J. and **Chinn, S. H. F.** A flotation method for obtaining spores of *Helminthosporium sativum* from soil, 298.

Lewin, R. A. Culture of *Prasiola stipitata* Suhr, 5.

Ludwig, R. A., Thorn, G. D., and **Unwin, C. H.** Studies on the mechanism of fungicidal action of metallic ethylenebisdithiocarbamates, 42.

MacLeod, D. M. See Hart, M. P., 289.

Morrison, J. W. Fertilization and postfertilization development in wheat, 168.

Munro, J. The reactions of certain solanaceous species to strains of potato virus Y, 355.

Murray, P. M. See Good, H. M., 31.

Naqvi, S. H. Z. The production of thiamine by *Cercospora cruenta* Sacc., 1.

Nobles, M. K. and **Nordin, V. J.** Studies in wood-inhabiting Hymenomycetes. II. *Corticium vellereum* Ellis and Cragin, 105.

Nordin, V. J. See Nobles, M. K., 105.

Patrick, Z. A. The peach replant problem in Ontario. II. Toxic substances from microbial decomposition products of peach root residues, 461.

Person, C. An analytical study of chromosome behavior in a wheat haploid, 11.

Polunin, N. Arctic aeropalynology. Spora observed on sticky slides exposed in various regions in 1950, 401.

Redmond, D. R. Studies in forest pathology. XV. Rootlets, mycorrhiza, and soil temperatures in relation to birch dieback, 595.

Reed, G. B. See Bidwell, R. G. S., 189; Vittorio, P. V., 275.

Robinson, J. B. See Atkinson, R. G., 281.

Savile, D. B. O. A phylogeny of the basidiomycetes, 60. *Chrysomyxa* in North America—additions and corrections, 487.

Segadas-Vianna, F. Ecological study of the peat bogs of Eastern North America. II. The *Chamaedaphne calyculata* community in Quebec and Ontario, 647.

Shoemaker, R. A. Biology, cytology, and taxonomy of *Cochliobolus sativus*, 562.

Stace-Smith, R. Studies on Rubus virus diseases in British Columbia. I. Rubus yellow-net, 269.

Studies on Rubus virus diseases in British Columbia. II. Black raspberry necrosis, 314.

Thorn, G. D. See Ludwig, R. A., 42.

Unwin, C. H. See Ludwig, R. A., 42.

Vallentyne, J. R. Sedimentary chlorophyll determination as a paleobotanical method, 304.

Vittorio, P. V., Krotkov, G., and **Reed, G. B.** Absorption and utilization of C^{14}-glucose by detached wheat leaves, 275.

Wort, D. J. The seasonal variation in chemical composition of *Macrocystis integrifolia* and *Nereocystis luetkeana* in British Columbia coastal waters, 323.

Ziller, W. G. Studies of western tree rusts. II. *Melampsora occidentalis* and *M. albertensis*, two needle rusts of Douglas fir, 177.

CORRECTION

Page 231. In line 16 up, "sélectives" should read "sélectifs".